

Decadal Agromet Bulletin of Pakistan



Highlights...

- ❖ Mainly cold and dry weather prevailed in most parts of the country, while very cold in hilly areas. However, light to moderate rain with snowfall over the hills occurred in most parts of the country particularly central and upper parts including northeastern Punjab, Pothohar Region, Khyber Pakhtunkhwa and Azad Jammu and Kashmir.
- ❖ Highest amount of rainfall recorded was 59.0 mm at Dir during the last decade.
- ❖ Lowest minimum temperature recorded was -4.1 °C at Gupis during the last decade.
- ❖ Cold and dry weather is likely in most parts of the country, while very cold in hilly areas. However, rain wind-thunderstorm with snowfall over the hills is expected in Khyber Pakhtunkhwa, Upper Punjab, Gilgit-Baltistan & Kashmir and northeastern/western Balochistan.
- ❖ Farmers are advised to view the weather forecast before any field activity.

**NATIONAL AGROMET CENTRE (NAMC)
PAKISTAN METEOROLOGICAL DEPARTMENT
SECTOR H-8/2, ISLAMABAD**

Patron-in-Chief: *Mr. Sahibzad Khan, Director General*

Editor-in-Chief: *Ms. Asma Jawad Hashmi, Director*

Editor: *Mr. Irshad Ali, Assistant Meteorologist*

Phone: [+92-51-9250592](tel:+92-51-9250592) Email: dirnamc@yahoo.com

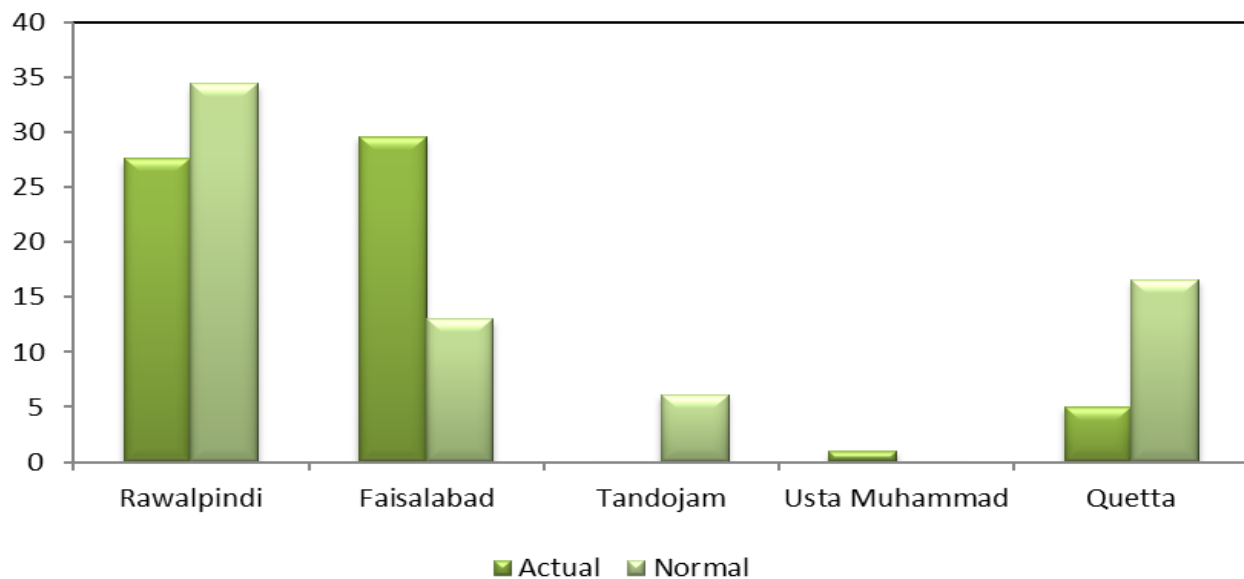
Meteorological Conditions during 2nd Decade of February 2025

Sr. No.	Station	Precipitation (mm)			Air Temperature (°C)			Soil Temperatures (°C)						R.H (%)	Sunshine Duration(hours)	Wind Speed (km/hr)	ETo (mm/day)
		Normal	Actual	Dep	Tmax Dep	Tmin Dep	Mean	5cm	10cm	20cm	30cm	50cm	100cm				
1	Rawalpindi	34.4	27.6	-6.8	3.9	-0.8	15.1	16.2	15.2	14.1	13.6	14.5	15.3	51.0	65.9	1.8	1.5
2	Faisalabad	13.0	29.6	16.6	2.7	1.2	17.9	20.0	19.2	18.5	18.4	***	19.2	55.0	66.8	1.7	1.7
3	Jhelum	32.7	25.0	-7.7	3.1	0.2	17.6	18.5	17.6	17.2	17.0	17.4	***	46.0	78.0	5.0	1.6
4	Lahore	23.2	12.8	-10.4	2.6	0.3	18.7	17.1	17.1	16.7	17.0	***	18.1	49.0	61.7	1.0	1.7
5	Sargodha	16.1	4.8	-11.3	2.9	1.9	18.5	20.5	18.8	19.0	19.1	***	***	49.0	55.5	1.7	1.6
6	Multan	11.1	3.0	-8.1	2.2	4.2	19.6	***	***	***	***	***	***	52.0	87.0	2.9	2.0
7	Khanpur	1.5	3.0	1.5	3.1	2.3	20.0	***	19.1	19.3	19.3	19.2	19.2	57.0	74.0	1.9	2.1
8	Tandojam	6.2	0.0	-6.2	3.2	3.1	22.8	***	24.2	***	22.1	***	22.2	55.0	79.9	3.9	2.5
9	Sakrand	0.0	0.0	0.0	2.9	4.2	21.7	29.2	24.1	22.4	22.7	22.6	***	52.0	87.0	3.3	2.4
11	Rohri	0.0	0.0	0.0	1.8	2.3	21.7	***	***	***	***	***	***	46.8	83.4	5.0	2.2
12	D.I Khan	14.7	2.5	-12.2	3.2	2.6	18.0	16.8	16.2	16.5	***	6.7	***	54.0	54.7	2.8	1.6
13	Peshawar	41.2	34.0	-7.2	4.3	-0.7	16.0	15.4	15.5	15.1	15.5	16.3	17.8	47.0	64.5	2.9	1.4
14	Usta M.	0.0	1.0	1.0	-0.9	1.9	20.1	26.5	23.3	21.7	***	***	22.9	58.0	0.0	1.8	2.2
15	Quetta	16.6	5.0	-11.6	0.1	4.4	10.3	13.2	12.2	10.4	10.2	10.6	10.7	42.4	71.8	5.5	1.6
16	Skardu	9.9	0.0	-9.9	1.8	1.8	4.0	***	***	***	***	***	***	47.0	42.0	2.3	1.1
17	Gilgit	5.9	0.0	-5.9	2.2	3.2	10.4	***	***	***	***	***	***	39.2	46.4	3.5	1.1

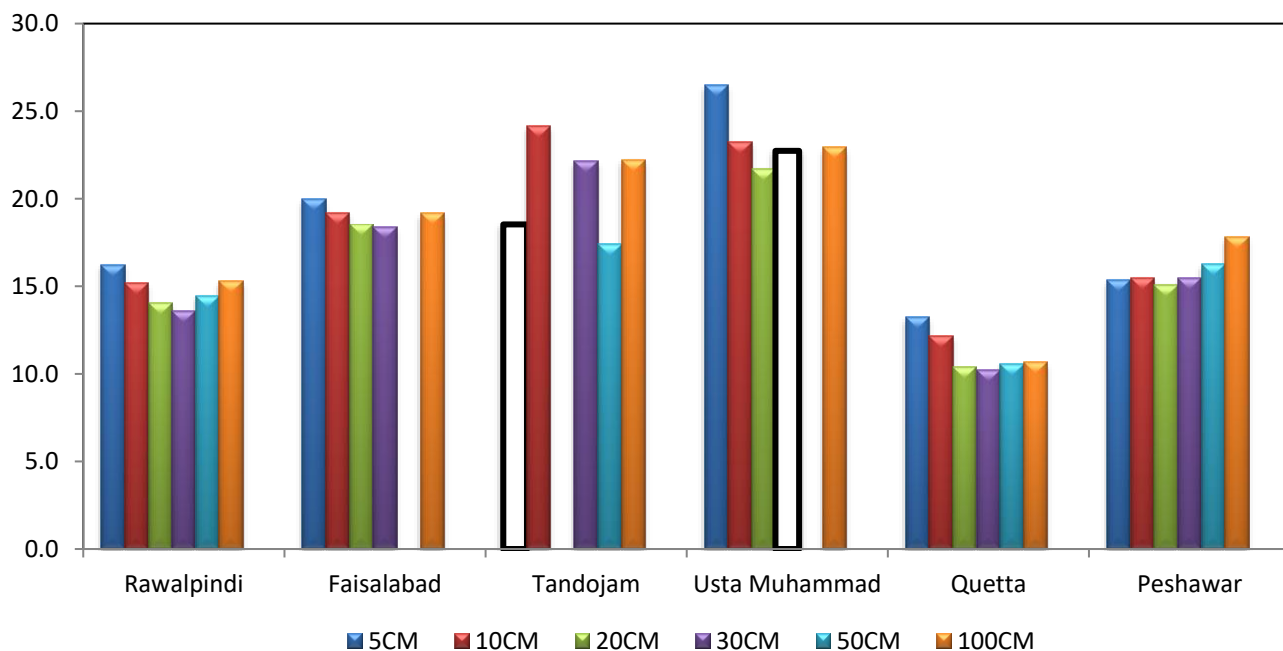
Table-1: Meteorological parameters for selected station of Pakistan. "Dep" in the table stands for difference from climatic normal, i.e. actual value minus normal. The climatic normally used in the Bulletin is extracted from the 2007 - 2016 observed data. 'ETO' stands for reference crop Evapotranspiration*** stands for data non-availability.

Graph at RAMCs during February 2025

Precipitation(mm) during 2nd Decade



Soil Temperature(°C)



* Faisalabad 50 cm, Tandojam 5cm, Usta Muhammad 30 cm and 50 cm soil temperature data is not available.

Past Weather (11th to 20th February 2025)

Mainly cold and dry weather prevailed in most parts of the country, while very cold in hilly areas. However, light to moderate rain with snowfall over the hills occurred in most parts of the country particularly central and upper parts including northeastern Punjab, Pothohar Region, Khyber Pakhtunkhwa and Azad Jammu and Kashmir.

1.1 Punjab

Mainly cold and dry weather prevailed over most areas, however, light to moderate rain was reported from the province particularly from northeastern Punjab and Pothohar region. The decadal maximum and minimum temperatures were observed above normal by 2.9°C and 1.3°C in the province. Whereas, values of relative humidity, sunshine hour, wind speed & ETo were recorded 51%, 69.8hrs, 2.3km/hr and 1.7mm/day respectively.

1.2 Sindh

Cold and dry weather prevailed during the decade. The decadal maximum and minimum temperatures were observed above normal by 2.6°C and 3.2°C in the province. Whereas, values of relative humidity, sunshine hour, wind speed & ETo were recorded as 51%, 83.4hrs, 4.1km/hr and 2.4mm/day respectively.

1.3 Khyber Pakhtunkhwa

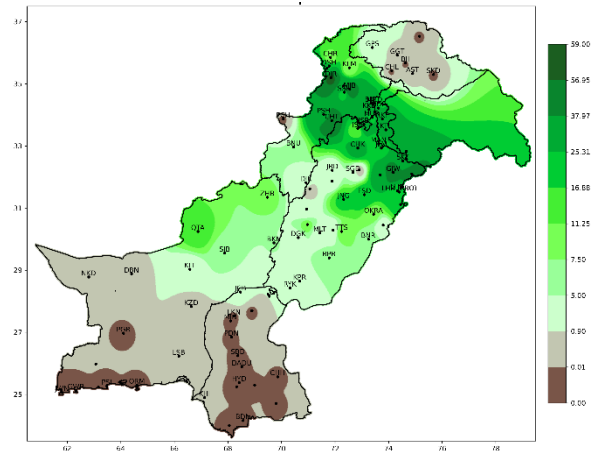
Light to moderate rain (snow over hills) was reported from most parts of the province. The decadal maximum and minimum temperatures were observed above normal by 3.7°C and 0.9°C in the province. Whereas, values of relative humidity, sunshine hour, wind speed & ETo were recorded as 51.0%, 59.6hrs, 2.9km/hr and 1.5mm/day respectively.

1.4 Baluchistan

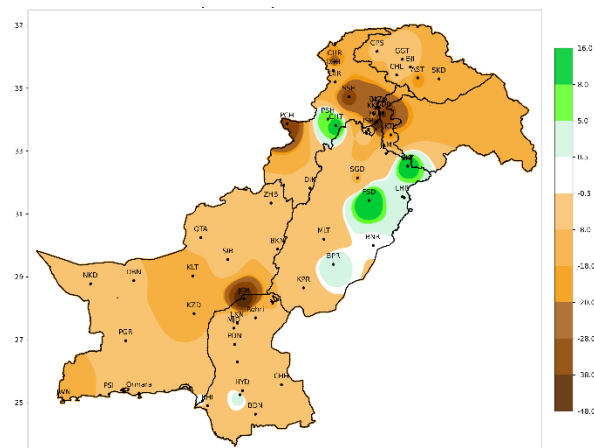
Light rain was reported from some of the northwestern parts of the province. The decadal maximum was observed below normal by -0.4°C and minimum temperature was above normal by 3.2°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 50%, 35.9hrs, 3.7km/hr and 1.7mm/day respectively.

1.5 Gilgit-Baltistan and Azad Jammu & Kashmir.

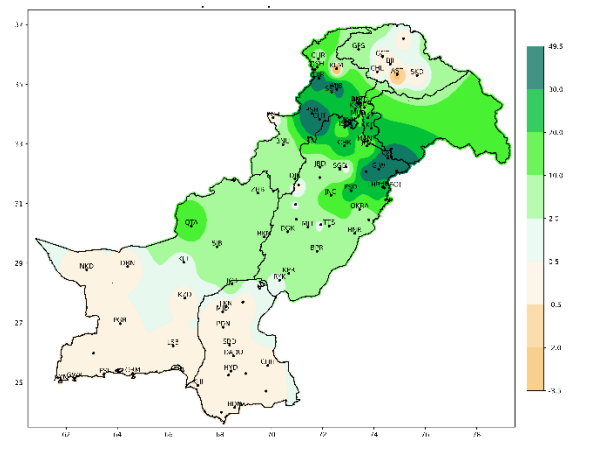
Very cold and dry weather (snow over hills) reported from most parts of Gilgit Baltistan whereas, light to moderate rain (snow over hills) observed from Azad Jammu and Kashmir. The decadal maximum and minimum temperatures were observed above normal by 2.0°C and 2.5°C in the province. Whereas values of relative humidity, sunshine hour, wind speed & ETo were recorded as 43.0%, 44.2hrs, 2.9km/hr and 1.1mm/day respectively.



I. Actual rainfall



II. Departure of rainfall from Normal



III. Departure of rainfall from Previous Decade

Figure.1: Rainfall distribution during previous decade (mm)

(a) **Past Weather for Major Agricultural Plains**
(11th to 20th February 2025)

2.1 RAMC, Rawalpindi (Potohar region)

Rain was reported 27.6 mm during the decade; however, weather remained partially cloudy for 08 days. Average relative humidity recorded as 51%. Mean day temperature was 24.1°C while night temperature recorded as 6.0°C with 65.9 hours bright sunshine duration. Wind speed recorded as 1.8km/hr with mean wind direction *westerly*.

2.2 RAMC, Faisalabad (Central Punjab)

Rain was reported 29.6 mm during the decade; however, weather remained partially cloudy during the decade. Average relative humidity recorded as 55%. Mean day temperature was 25.6°C while night temperature recorded as 10.2°C with 66.8 hours bright sunshine duration. Wind speed recorded as 1.7km/hr with mean wind direction variable.

Wheat: *Very good, shooting completed.*

2.3 RAMC, Tandojam (Lower Sindh)

Cold and dry weather was observed during the decade. however, weather remained partially cloudy for 05 days. Average relative humidity recorded as 55%. Mean day temperature was 31.7°C while night temperature recorded as 13.9°C with 79.9hours bright sunshine duration. Wind speed recorded as 3.9km/hr with mean wind direction *south-south easterly*.

Wheat: *Good, Flowering.*

2.4 RAMC, Usta Muhammad (Eastern Baluchistan)

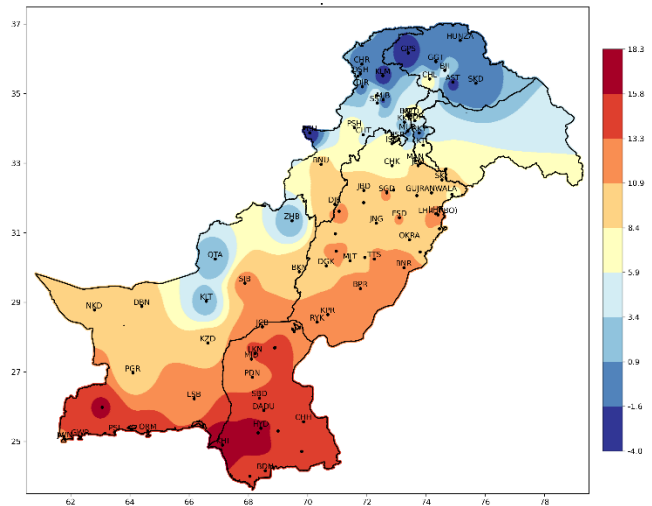
Rain was reported 1.1 mm during the decade; however, weather remained partially cloudy for 06 days. Average relative humidity recorded as 58%. Mean day temperature was 28.0°C while night temperature recorded as 12.2°C. Wind speed recorded as 1.8km/hr with mean wind direction *north easterly*.

Wheat: *Good, shooting.*

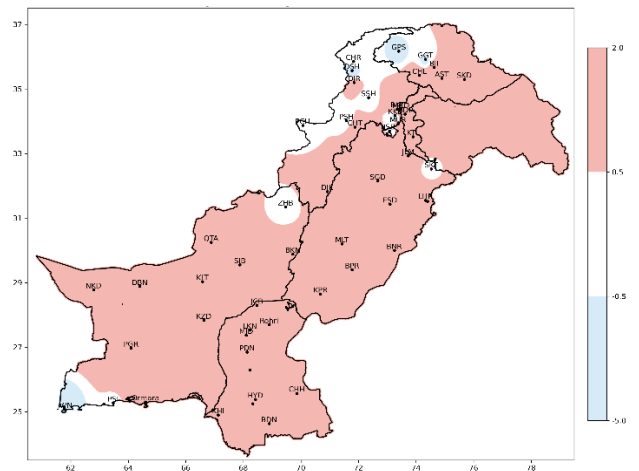
2.5 RAMC, Quetta (Northern Baluchistan)

Rain was reported 5.0 mm during the decade; however, weather remained partially cloudy during the decade. Average relative humidity recorded as 42.%. Mean day temperature was 15.3°C while night temperature recorded as 5.3°C with 71.8 hours bright sunshine duration. Wind speed recorded as 5.5 km/hr with mean wind direction *north westerly*.

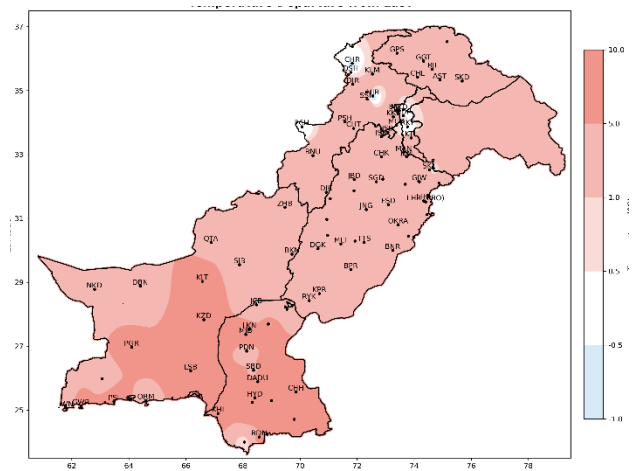
Wheat: *Good, Tillering.*



IV. Actual min-temperature



V. Departure of min-temperature from Normal



VI. Departure of min-temperature from Previous Decade

Figure.2: Minimum Temperature distribution during previous decade (°C)

2(b) Past Weather or Sub-Regional Agricultural Plains (11th to 20th February 2025)

2.6 Jhelum

Rain was reported 25.0 mm during the decade; weather remained partially cloudy for 09 days. Average relative humidity recorded as 46%. Mean day temperature was 25.8°C while night temperature recorded as 9.3°C with 78.0 hours bright sunshine duration. Wind speed recorded as 5.0km/hr with mean wind direction variable.

2.7 Lahore

Rain was reported 12.8 mm during the decade; however, weather remained partially cloudy for 08 days. Average relative humidity recorded as 49%. Mean day temperature was 25.3°C while night temperature recorded as 12.1°C with 61.7 hours bright sunshine duration. Wind speed recorded as 1.0 km/hr with mean wind direction *westerly*.

2.8 Sargodha

Rain was reported 4.8 mm during the decade; however, weather remained partially cloudy for 10 days. Average relative humidity recorded as 49%. Mean day temperature was 25.9°C while night temperature recorded as 11.1°C with 55.5 hours bright sunshine duration. Wind speed recorded as 1.7km/hr with mean wind direction *variable*.

2.9 Multan

Rain was reported 3.0 mm during the decade; however, weather remained partially cloudy for 09 days. Average relative humidity recorded as 54%. Mean day temperature was 25.7°C while night temperature recorded as 11.5°C with 54.8 hours bright sunshine duration. Wind speed recorded as 2.9 km/hr with mean wind direction *variable*.

2.10 Khanpur

Rain was reported 3.0 mm during the decade; however, weather remained partially cloudy for 08 days. Average relative humidity recorded as 57%. Mean day temperature was 28.7°C while night temperature recorded as 11.2°C with 74.0 hours bright sunshine duration. Wind speed recorded as 1.9 km/hr with mean wind direction *north easterly*.

2.11 Sakrand

Cold and dry weather was observed during the decade; however, weather remained partially cloudy for 06 days. Average relative humidity recorded as 52%. Mean day temperature was 30.0°C while night temperature recorded as 13.4°C with 87.0 hours bright sunshine duration. Wind speed recorded as 3.3 km/hr with mean direction *north westerly*.

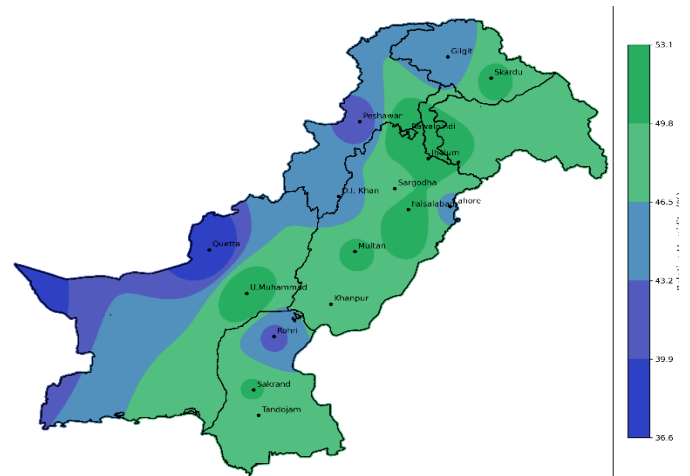


Figure.3: Relative Humidity in Percentage (%)

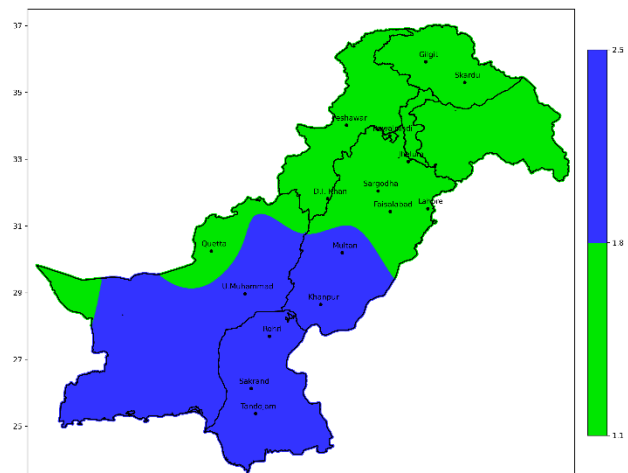


Figure.4: Reference Crop Evapotranspiration ETO (mm/day)

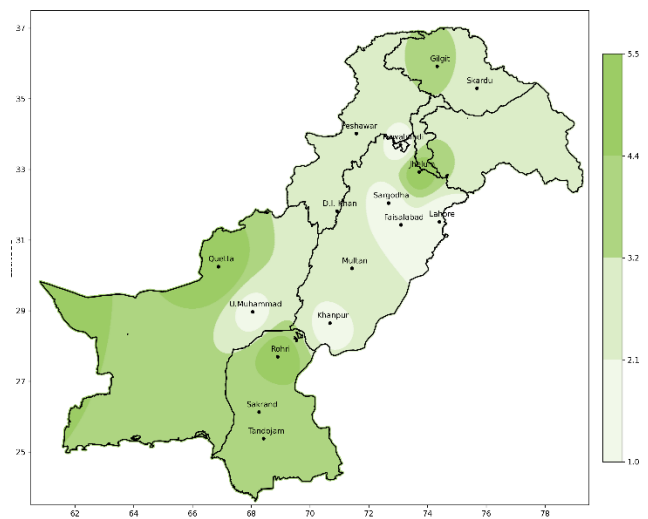


Figure 5: Wind Speed in kilometer per hour (km/h)

2.12 Rohri

Cold and dry weather was observed during the decade; however, weather remained partially cloudy for 08 days. Average relative humidity recorded as 47%. Mean day temperature was 28.7°C while night temperature recorded as 14.7°C with 83.4 hours bright sunshine duration. Wind speed recorded as 5.0km/hr with mean wind direction as *north easterly*.

Wheat: *Very good, heading.*

2.13 D.I. Khan

Rain was reported 2.5 mm during the decade; however, weather remained partially cloudy for 07 days. Average relative humidity recorded as 54%. Mean day temperature was 25.3°C while night temperature recorded as 10.7°C with 54.7 hours bright sunshine duration. Wind speed recorded as 2.8km/hr with mean wind direction south easterly.

2.14 Peshawar

Rain was reported 34.0 mm during the decade; however, weather remained partially cloudy for 08 days. Average relative humidity recorded as 47%. Mean day temperature was 24.3°C while night temperature recorded as 7.6°C with 64.5 hours bright sunshine duration. Wind speed recorded as 2.9km/hr with mean wind direction as north westerly/south westerly.

2.15 Skardu

Cold and dry weather was observed during the decade; however, weather remained partially cloudy for 05 days. Average relative humidity recorded as 47%. Mean day temperature was 9.6°C while night temperature recorded as -1.6°C with 42.0 hours bright sunshine duration. Wind speed recorded as 2.3km/hr with mean wind direction as *south-south easterly*.

2.16 Gilgit

Rain was reported 0.01 mm (Trace) was observed during the decade; however, weather remained partially cloudy during the decade. Average relative humidity recorded as 39%. Mean day temperature was 16.7°C while night temperature recorded as 4.1°C with 46.4 hours bright sunshine duration. Wind speed recorded as 3.5km/hr with mean wind direction as *south easterly*.

Eight Days Weather Advisory for Farmers
(21st to 28th February 2025)**3.1 Temperature Forecast**

Normal mean temperature is likely over most parts of the county.

3.2 Wind Forecast

Generally, normal wind patterns may prevail in most of the agricultural plains of the country.

3.3 Rain Forecast**❖ Punjab:**

Mainly cold and dry weather is expected in most parts; however, rain/wind-thunderstorm is likely in upper parts particularly Pothohar region and northeastern parts of the province with snowfall also predicted in Murree and surroundings during 2nd half of the decade.

❖ Khyber Pakhtunkhwa:

Mainly cold and dry weather is expected in most parts, however, rain/wind-thunderstorm snow over hills is likely in upper parts during the decade.

❖ Sindh:

Mainly cold and dry weather is expected in most parts of province during the decade.

❖ Baluchistan:

Mainly cold and dry weather is expected in most parts, while very cold in upper areas. However, rain/wind-thunderstorm is likely in western/northeastern parts of the province during the decade.

❖ Gilgit-Baltistan:

Mainly very cold and dry weather is expected, while rain/wind-thunderstorm/snowfall is likely in Gilgit Baltistan during the decade.

❖ Kashmir:

Mainly very cold and dry weather is expected, while rain/wind-thunderstorm/snowfall is likely in Kashmir during the decade.

3.4 Advisory for Farmers

Farmers are advised to follow the weather forecast to proceed for any field activity.